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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **2000063862**(51) Intl. Cl.: **A61B 8/06 A61B 8/14**(22) Application date: **08.03.00**

(30) Priority:	(71) Applicant: <b>GE YOKOGAWA MEDICAL SYSTEMS LTD</b>
(43) Date of application publication: <b>18.09.01</b>	(72) Inventor: <b>HASHIMOTO HIROSHI</b>
(84) Designated contracting states:	(74) Representative:

**(54) ULTRASONIC  
IMAGING METHOD AND  
ULTRASOUND  
DIAGNOSTIC APPARATUS**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To image an ultrasonic image which enables observation of the behavior of a contrast medium attributed to a heart beat.

**SOLUTION:** An ultrasonic wave is transmitted with the intensity thereof enough to vanish a contrast medium to the whole or a part of a number of sound rays forming one frame to generate one frame of ultrasonic image from a received signal corresponding thereto. At this point, the transmission of the ultrasonic wave is repeated at timings D1, D2, etc., being shifted by a specified value (including 0) from natural number times the cycle of heart beat while varying the specified value bit by bit. The subject is administered continuously with the contrast

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medium. The behavior of the contrast medium can be preferably observed in a different time phase during the period of one heart beat.

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